

THE TECH

VOL. XXIX. NO. 162.

BOSTON, MASS., FRIDAY, MAY 13, 1910

PRICE ONE CENT

FINANCE COMMISSION TO BE DETERMINED

Electoral Committee Meets This Afternoon In Room A Union

This afternoon will be organized the Finance Commission. It is very probable that matters will even get so far that the members of the Finance Commission will be elected. There has been considerable discussion on the question lately, particularly as the finances of some of the activities have shown the need of some sort of supervision, and it is thought that there is enough of a general feeling among all the activities that such a commission be organized, that the matter will be put through to completion after a few minor details have been arranged.

Those who are entitled to speech and vote at this meeting this afternoon are the heads and financial managers of all Institute activities together with the elected members of the Institute Committee. It was decided at the last meeting of this electoral committee that there should be some sort of a commission. The only questions were on their duties and responsibilities. At present the general scheme is as follows:

Every year the heads and financial managers of all Institute activities together with the elected members of the Institute Committee shall assemble as an Electoral Committee to appoint three non-student men to compose a Finance Commission together with the President of the Institute Committee ex-officio.

This committee will receive each month a financial report from each of the activities concerned. These reports shall in general give the resources and the expenditures.

The committee shall act on these reports not to make definite requirements on the limiting of the expenditures of an activity but rather that either its resources shall seem to offset the expenses or that the participants of the activity concerned shall in some manner make themselves personally responsible to the Finance Committee that the excess of expenditure or bills contracted over the resources shall be met by personal settlements. The idea of the whole thing is that the name of the Institute shall not be hurt by activities regardlessly going ahead in the contracting of debts with no possible means of meeting them.

The meeting will be held at 4.15 in Room A of the Union.

TENNIS TOURNAMENT

Preliminary Round Completed, First Round Progressing

The entire preliminary round and all but two matches of the first round of the spring tennis tournament have been played. The doubles tournament was called off.

The matches in the preliminary round resulted as follows: L. C. Perkins 1913 defeated C. P. Kerr 1911 by default; G. W. Elder 1911 defeated H. E. Kebbon 1912, 6-0, 6-2; S. H. Lawton 1911, defeated C. B. Smythe 1912 6-1, 7-5; T. B. Parker 1911 defeated P. M. Wentworth 1910, 6-3, 7-5.

In the matches of the first round, F. W. Covill 1912 defeated G. I. Edgerton 1912, 6-3, 6-0; J. B. Little 1912 defeated R. E. Runels 1911, 6-0, 6-0;

(Continued on page 2.)

NORTHFIELD CONFERENCE JUNE 24 TO JULY 3

Inspiring Leaders Chosen From Leading Colleges To Con- duct Classes

The annual student conference at East Northfield, Mass., assembles this year on June 24, and continues till July 3. For many years these gatherings have been held annually in the month of June, and over two thousand college men have yearly been present. Colleges are represented from all sections of the country. The gathering is held under the auspices of a voluntary student organization; it is planned for students. On the "celebration night" is seen an intercollegiate event such as is seldom if ever witnessed elsewhere.

Especially does the Northfield conference concern itself with the central things for which the student Christian Association stands. The officers and leaders of Christian Association work should therefore especially welcome this opportunity to see what is going on in other colleges. Beyond this, it is safe to say that any man who has the welfare of his college at heart will find the time spent at Northfield highly profitable and highly enjoyable.

The Bible and mission study classes are led by experienced teachers, and the speakers at the platform meetings deal with fundamental problems. The spirit of a wholesome religion for the whole man is the dominant force. The whole afternoon is given to the open air—to the sports of baseball and tennis, to swimming, or to long walks over the hills. Interesting classes, meaty discussions, inspiring addresses, wholesome companionship, spirited athletics; all these will be found in full measure.

The presiding officer of the conference is Rev. G. A. Johnston-Ross of Bryn Mawr.

It is expected that the following speakers, well known among college men, will be present to address the conference: Rev. G. A. Johnston-Ross of Bryn Mawr; Prof. E. A. Steiner, Rev. Harry Emerson Fosdick, Rev. John Douglas Adam, Rev. John Hutton of Glasgow, and E. T. Colton.

The following courses in Bible study will be offered: 1. "The Will of God," Leader, Prof. Henry B. Wright of Yale. 2. "The Life of Christ" (Bosworth). Leader, Rev. Harry Emerson Fosdick. 3. "The Social Significance of the Teachings of Jesus," Leader, Prof. Lucius H. Miller of Princeton. 4. "New Studies in Acts" (Bosworth). Leader, Rev. Artley B. Parson. 5. "The Work and Teachings of the Earlier Prophets." 6. "Practical Discussions of Christianity." Leader, Thomas S. Evans of Pennsylvania.

The following courses in mission study have been arranged: 1. The Apologetic of Modern Missions. Leader, Enoch Bell of Boston. 2. The Challenge of the City. Leader, H. Roswell Bates. 3. India. Leader, Murray Frame of India. 4. Islam. Leader, Dr. John E. Merrill of Turkey. 5. Medical Missions. Leader, Dr. Martin R. Edwards. 6. Servants of the King. Leader, Dumont Clarke, Jr.

A special feature of the conference will be the discussion of the problems of the student Young Men's Christian Association. The conference will be divided into groups of a convenient size for discussion, and the topics will be considered under the leadership of men actually engaged in Association work. Among the subjects to be considered are: Community Service; The Public Meetings of the Association; Evangelism; Records and Finance.

(Continued on page 3.)

ANNUAL PRIZE DRILL NEXT WEEK FRIDAY

Program Completed—Contest- ants For Individual Honors Drilling Well

The annual prize drill of the M. I. T. battalion will take place this year, at the South Armory on Irvington Street, Friday evening, May 20, at 8.00 o'clock. Although the exercises do not commence till then the cadets will be required to be present at 7.30 for company formation and roll-call. At 8.00 P. M. Co. A under the command of Capt. Busby will march on to execute company drill. This will take approximately fifteen minutes.

After this Capt. Golden will put Co. B through the same commands.

Then follows the individual drill. The prizes are a gold medal for the best man and a silver medal for the next best. The commander of the first squad will be Lieut. Davis, and of the second squad Lieut. Priest. The number of men to compete in the drill is twenty-four, the same as in former years. Following is the list of contestants for this year:

A Co.

F. H. Pendleton, J. G. Lanning, F. H. Kennedy, S. Breck, Jr., R. S. Rankin, E. W. Taft.

B Co.

R. W. Weeks, R. E. Leonard, F. B. Morton, D. Stern, F. A. Smith, H. Brande.

C Co.

K. D. Hamilton, J. D. Donaldson, L. C. Gustin, F. C. Herson, H. U. Carlson, A. T. Brewer.

D Co.

M. E. Langley, L. Bowman, J. L. Drumney, A. N. Henriksen, J. M. Isenberg, L. G. Harris.

After the competitive drill, the other two companies of the battalion, C and D, under the command of Capt. Tirrell and Lang respectively will go through their company drill.

Immediately after this battalion formation will be executed under command of Adj. Selfridge, and then battalion drill under Maj. Herlihy.

The last exercise is the ceremony of Evening Parade, performed by the entire battalion. At this time the prizes for the winners of the individual drill and commissions for the officers of the cadets will be presented by President MacLaurin and Capt. A. L. Easton, U. S. A.

The drill for the individual squad will be upon the manual of arms, marchings, and facings and will be extremely interesting and exciting for the contestants are supposed to be the "crack" drillers of the cadets. For the company drill, a complete schedule has been made out, which each company will follow.

The judges this year will be three officers of the regular army who are stationed near Boston and who have kindly consented to serve.

New York, May 12.—Amid the plaudits of 50,000 people Uncle Sam's greatest fighting machine, the battleship Florida, slid down the ways at the Brooklyn Navy Yard this morning to be received by the waters of Wallabout bay as another member of America's mighty family of floating fortresses.

Miss Elizabeth Fleming, a beauty of the southland and daughter of a former Governor of Florida, stepped to the prow and broke a bottle of champagne over the hull of the ship, naming her "Florida."

BIG TIME PROMISED AT BIOLOGICAL SMOKER

Noise Committee In Charge— Profs. Kinnicutt And Wins- low Will Speak

At last, after numerous postponements the Biological Society has announced positively that they will hold their smoker on Saturday evening, May 14. This will be an informal affair and is to be held in the Union at 8.00 o'clock.

The Noise Committee will be in entire charge of the division of refreshments and an exciting time is promised. In fact this committee has announced that they will more than make up for the delay by giving an entirely new and stupendous production of stunts. All disgruntled ones are especially invited to attend.

If any survive this part of the smoker, the remaining portion will prove equally interesting in a milder form. Prof. L. P. Kinnicutt, head of the Chemical Department of Worcester Polytechnic Institute will speak on "Student Days at the Institute and in Germany." Prof. Kinnicutt is a graduate of the Institute in the class of 1875 and has also studied in the European universities and will give interesting stories from his experiences in the two different kinds of institutions.

Professor Winslow of the Biological Department will also tell of his experiences "In and About Chicago," where he has recently done a great deal of work in Sanitary Engineering.

FACULTY PROMOTIONS

Executive Committee Submits List To Corporation

Announcement has been made of the following faculty changes, authorized by the Executive Committee, subject to confirmation by the Corporation at its next meeting in June. These promotions, if confirmed by the corporation, will take effect Oct. 1, 1910.

To the grade of Professor—Associate Professor C. L. Norton to Professor of Heat Measurements.

To the grade of Associate Professor—Assistant Professor C. B. Breed to Associate Professor of Civil Engineering. Assistant Professor W. J. Drisko to Assistant Professor of Physics. Assistant Professor G. B. Haven to Associate Professor of Mechanical Engineering. Assistant Professor F. J. Moore to Associate Professor of Organic Chemistry.

To the grade of Assistant Professor—Research Associate W. C. Bray to Assistant Professor of Physico-Chemical Research. Instructor D. F. Comstock to Assistant Professor of Theoretical Physics. Instructor E. B. Spear to Assistant Professor of Inorganic Chemistry. Instructor T. H. Taft to Assistant Professor of Mechanical Engineering.

To the grade of Instructor—Assistant R. S. Ayres to Instructor in Physics. Assistant D. Carb to Instructor in English.

CALENDAR.

Friday, May 13.

6.30—Annual Dinner of Tech at American House.

Saturday, May 14.

7.30—Lecture by Dr. Kinnicutt in Union. Biological Society.

THE TECH

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BOSTON, MASS., MAY 13, 1910.

Perhaps one of the most beneficial institutions that has ever helped to uphold the name of the Institute will be brought into existence this afternoon by the Electoral Committee of the Finance Commission.

Some may argue that there is no need of any such provision, but recent experience has shown that not only is such a protective measure a good thing but that it is also an absolutely necessary one if the Institute is to uphold its name among the business interests of Boston and even outside districts. The arrangement as now outlined seems to be the best. It is true that perhaps undergraduates might alone cope with the financial situation, but it can be easily shown that they can not tend to them as easily or as efficiently as can those men who have had the financial experience of years that enables them in an instant to understand the exact financial situation from a report drawn up as they suggest.

One of the greatest arguments against the scheme has been that it would reduce the responsibility of the participants and that it would reduce the benefit of business experience to the participants. But is not the best business training that which is not the most elementary but rather that which is molded along the best business ideals of the times? Moreover, is it advisable to sacrifice the health and studies of the participants to get the doubtful advantages of a wasteful business experience?

Some sort of a scheme is absolutely

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necessary. The present arrangement with the modification that will be made at the meeting this afternoon will be the most suitable. Therefore it is up to those at present in activities to get the matter definitely decided while all its aspects are uppermost in everybody's mind.

TENNIS TOURNAMENT

(Continued from page 1.)

G. W. Elder 1911 defeated L. C. Perkins 1913, 6-1; 6-1; A. R. Atwater 1913 defeated H. K. Smoot 1912 by default; C. R. Woodward 1912 defeated C. A. Read, Jr. 1913, 6-2, 6-3; C. F. Goodrich 1912 defeated W. V. Schmiedeke 1912, 6-3, 6-0.

The results of all matches should be handed in as soon as possible to P. M. Wentworth 1910.

At present the ranking of the first eight men in tennis is as follows; 1 F. W. Covill 1912, 2 T. B. Parker 1911, 3 P. M. Wentworth 1910, 4 M. K. Sweet 1910, 5 A. Harkness 1910, 6 C. R. Woodward 1912, 7 G. M. Keith 1912, 8 D. V. Williamson 1910. The first four men represent the Institute in tennis matches and form the Technology tennis team. Any man may challenge the next one above him and the eighth man is open to challenge by all others not in the list.

GENERAL NEWS

TELEGRAPH NEWS OF THE MORNING.

WEATHER REPORT.

Washington, D. C., May 13.—Friday, fair; moderate north to northwest winds.

Manchester, May 12.—An explosion in the Wellington coal mine at White Haven during last night cut off the exit from the 136 miners who were working below the surface. Rescue parties succeeded early today in saving four men who had been working at the bottom of the shaft, but were prevented by the gas from penetrating to a point where the main body of men is imprisoned.

Cleveland, May 12.—The Pennsylvania passenger train leaving Pittsburg at 5.30 and due in Cleveland at 11 A. M. yesterday jumped the track at Pensington, 15 miles south of Alliance, and some of the coaches rolled down a 20-foot embankment. Many are reported injured. The engine, baggage car and two coaches are in the ditch.

New Haven, Ct., May 13.—"To a bright young man who has anything in him a college course is not necessarily fatal to success. That is my view of it," said Speaker Cannon, in a discussion in the Yale News yesterday of the value of a college education. He continues: "The common school system—the high school course—gives the average individual, at least, fair equipment for practical success in business or in the various callings that men follow who live by the sweat of their faces."

"There is always a question as to whether the average student will survive the spoiling effects of a college course."

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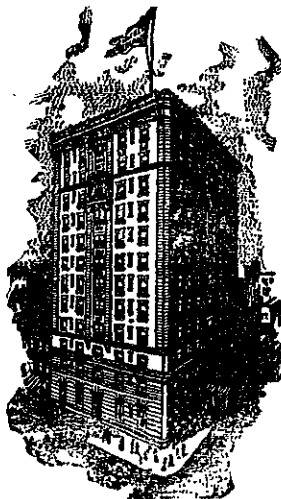
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NAVAL ARCH LECTURE

Following are outlines of Naval Architecture lectures III, IV, and V, given May 16, 18 and 20 respectively.

LECTURE III, MAY 16.

Experiments with models and the determination of the most suitable dimensions.

The slip appropriate to screws of different pitch ratios.

Method of conducting model experiment.

How to make model screws.

Testing apparatus.

Treatment of results of model experiment.

Construction of tables of propeller "constants."

Efficiencies of engine and propeller.

Propulsion coefficients.

Effect of pitch ratio on efficiency.

How to use tables of propeller constants.

LECTURE IV, MAY 18.

Influence of depth of water on resistance.

Abnormal propulsive coefficients and reasons for same.

Formation of "solitary" or "canal" wave.

Rasmusseur's, Paulus', Rota's, and Yarrow's experiments.

Calculation of most suitable depths for vessels of different dimensions and speeds.

Calculation of worst depths and depths necessary to avoid all influence of the bottom.

Examples of calculation for a few typical destroyers.

LECTURE V, MAY 20.

Cavitation.

Trials of the "Daring."

Limiting thrust per square inch of screw surface obtained from these trials.

Conditions which affect the limiting thrust.

Cavitation in hot water and in vacuum.

Calculation of thrust and of propeller surface.

The "turbine."

Tables of "cavitating speeds."

Probable developments.

Reducing gears.

Westinghouse and Parsons' types.

Foettinger hydraulic type of transmission gear.

Electric transmission.

The proposed use of "venture" tubes criticised.

NORTHFIELD CONFERENCE

(Continued from page 1.)

Every evening the whole conference assembles to consider the important question of life-investment. This is discussed always by men who by their lives have earned the right to speak. Among those whom it is expected will be heard in this series are: E. T. Colton, Rev. A. P. Fitch, Rev. F. E. Higgins.

Reduced rates to East Northfield are offered on all the principal railroad lines as in past years. The cost to each delegate will be his railroad fare, five dollars for registration fee, and thirteen dollars for board and lodging during the ten days of the conference.

All Technology men who intend to attend the Northfield Conference this year should give their names as soon as possible to either W. W. Warner 1911 or J. K. Mason, graduate secretary of the T. C. A. In this way, accommodations may be reserved together for all members of the Technology delegation. Further information about the conference may be obtained from John A. Addison, 124 East Twenty-eighth Street, New York City.

NOTICES

ELEMENTS OF ELECTRICAL ENGINEERING 653—COURSE II.

Prof. Smith's section will meet as usual this week.

COURSE VI.

INSPECTION TRIP. NO. SIX.

This trip will be made on Wednesday afternoon, May 18th, to the works of the General Electric Company at Lynn. The party will leave the Lowell Building at 1:15 P. M., taking electric for Park Street, changing there for Scollay Square and then taking electric for Lynn. The transportation expenses will be 31 cents. This trip is open to all men of Course VI in and above the third year. Each student intending to take this trip should drop his name in the third year problem box.

BIOLOGICAL SOCIETY.—Smoker at the Union Saturday, May 14, at 8 P. M. Prof. Kinnicut of Worcester Polytechnic will speak on "Student Days at the Institute and in Germany."

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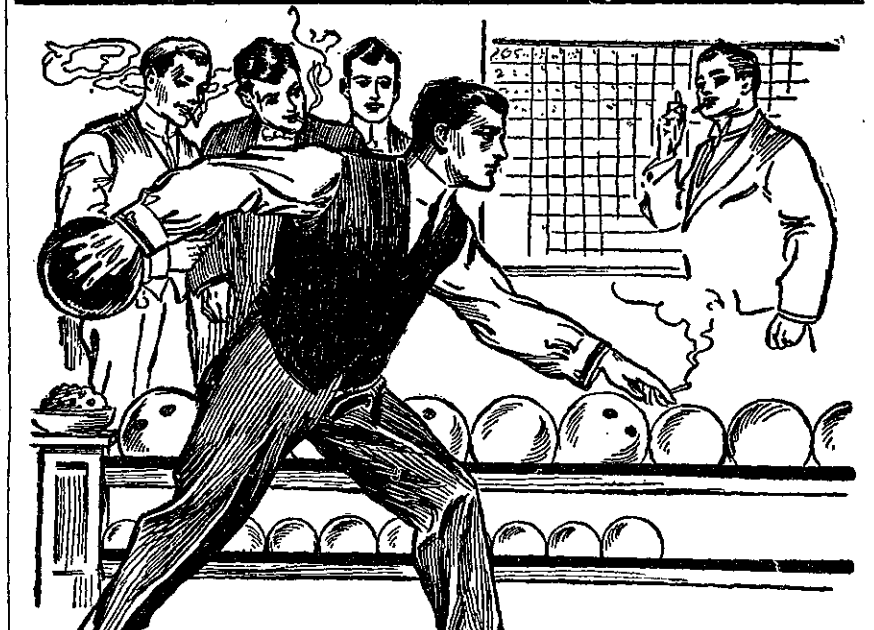
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Lectures will be given by Mr. Sidney W. Barnaby at 4.00 P. M. in Room 11 Engineering Building B on the 10th, 12th, 16th, 18th and 20th, to students of the Department of Naval Architecture and Marine Engineering. Students of other Departments are also cordially invited to attend.

C. H. PEABODY.

THE TECH.

At six thirty o'clock this Friday evening, the annual dinner of The Tech will be held at the American House. See the details in another column.

MECHANICAL ENGINEERING SOCIETY.

Place of meeting, Friday, May 13th, at 7.30 P. M., changed to 11 Eng. B. Mr. C. H. Bigelow 1892, who is with Mr. Charles T. Main 1876, will talk on "Inspection." Special lantern slides will be shown. All students invited.

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